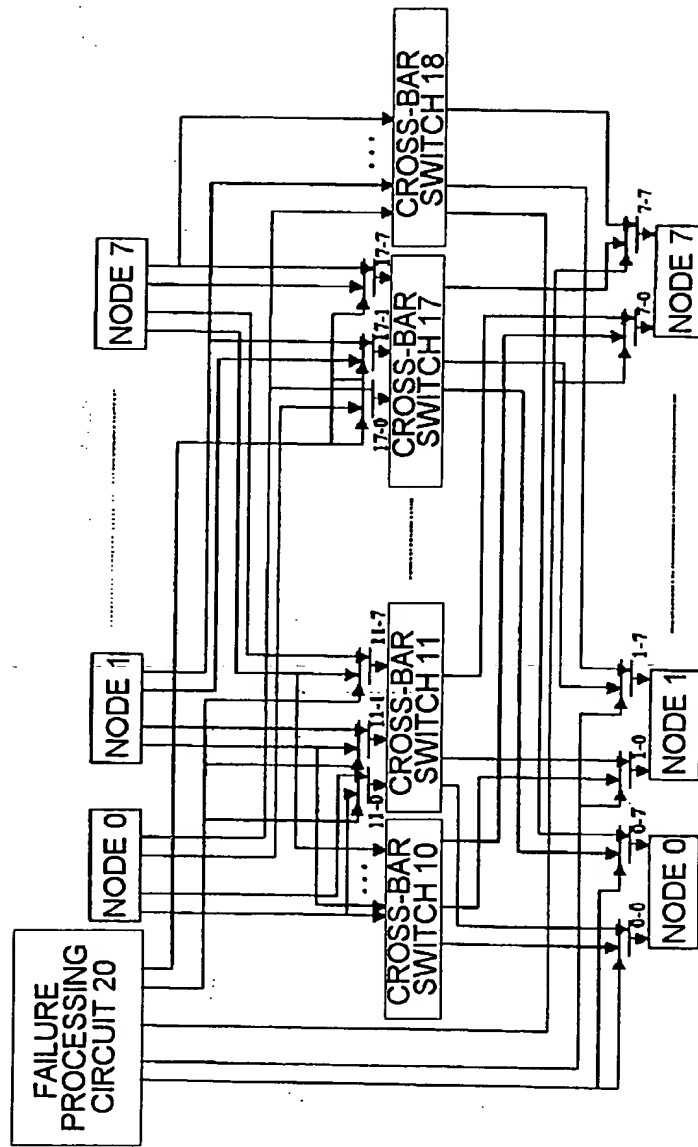


FIG. 1

FIG. 1



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#

FIG . 2

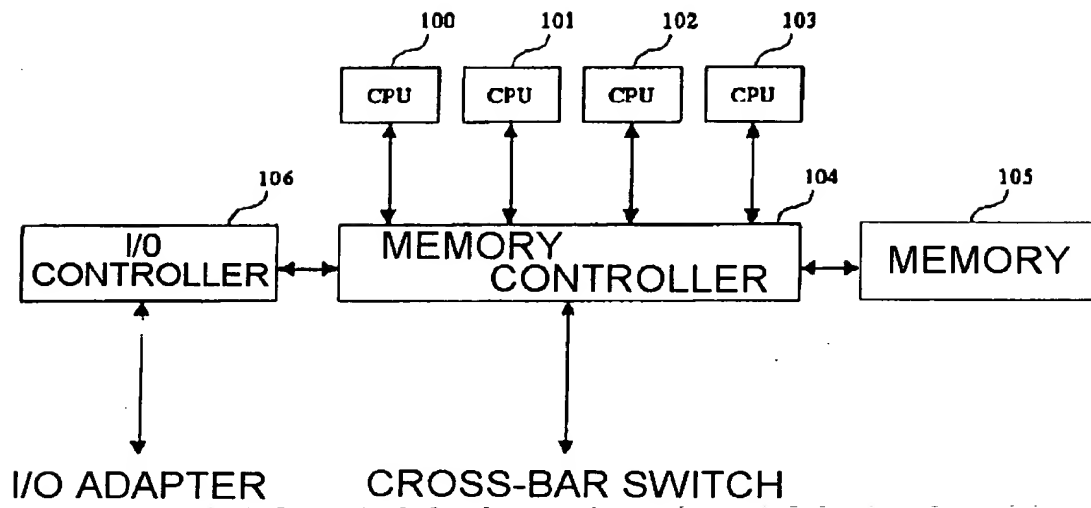


FIG . 3

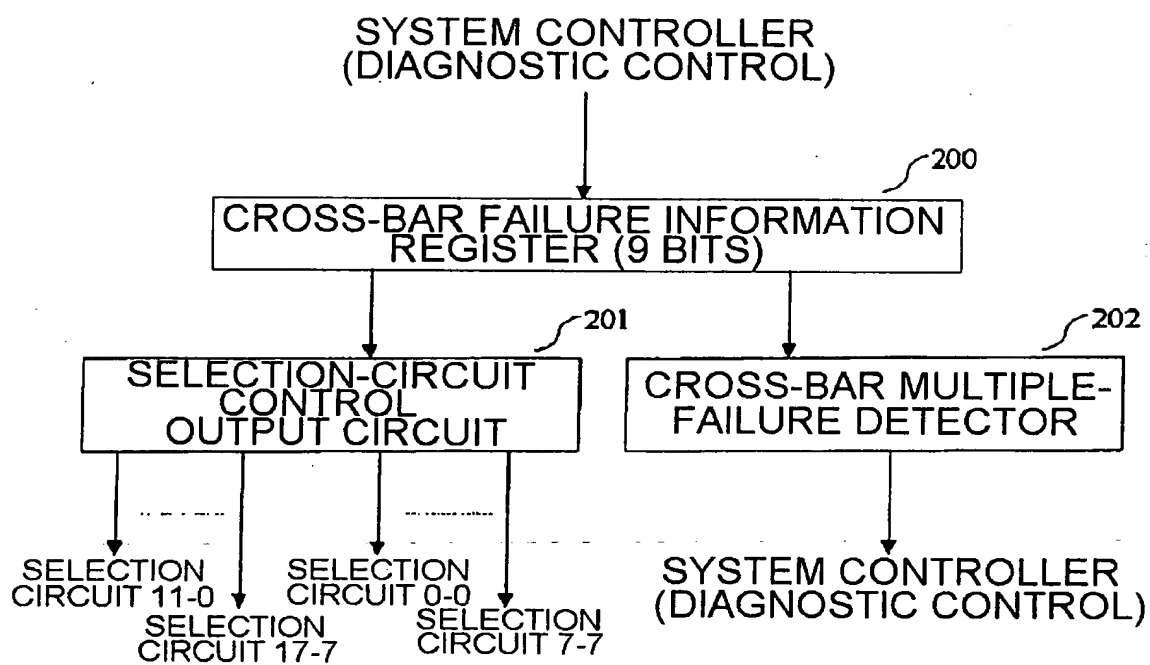


FIG. 4

FAULTY CROSS-BAR SWITCH	BYTE 0	BYTE 1	BYTE 2	BYTE 3	BYTE 4	BYTE 5	BYTE 6	BYTE 7
CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 17	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 18
CROSS-BAR SWITCH 18	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17
NONE FAULTY	CROSS-BAR SWITCH 10	CROSS-BAR SWITCH 11	CROSS-BAR SWITCH 12	CROSS-BAR SWITCH 13	CROSS-BAR SWITCH 14	CROSS-BAR SWITCH 15	CROSS-BAR SWITCH 16	CROSS-BAR SWITCH 17